

CLAIMS

1. A tulobuterol adhesive patch which comprises (a) a support, (b) a pressure-sensitive adhesive layer and (c) a release liner laminated in that order, characterized in that said pressure-sensitive adhesive layer (b) contains tulobuterol as a percutaneous absorbing agent and said pressure-sensitive adhesive agent is an acrylic-based pressure-sensitive adhesive agent which is a copolymer of an acetoacetoxyalkyl (meth)acrylate and one or more vinyl monomers that are copolymerizable with the acetoacetoxyalkyl (meth)acrylate.

2. A tulobuterol adhesive patch according to claim 1, wherein the pressure-sensitive adhesive layer further contains a plasticizer.

3. A tulobuterol adhesive patch according to claim 1 or 2, characterized in that the acetoacetoxyalkyl (meth)acrylate is 2-acetoacetoxyethyl methacrylate or 2-acetoacetoxyethyl acrylate.

4. A tulobuterol adhesive patch according to any one of claims 1 to 3, characterized in that the vinyl monomer is one or more acrylic-based vinyl monomers selected from the group consisting of 2-ethylhexyl acrylate, methyl methacrylate, diacetoneacrylamide, butyl acrylate, ethyleneglycol dimethacrylate, ethyleneglycol diacrylate, diethyleneglycol dimethacrylate, triethyleneglycol dimethacrylate, tetraethyleneglycol dimethacrylate, hexaethyleneglycol

dimethacrylate and acrylamide.

5 5. A tulobuterol adhesive patch according to any one of claims 2 to 4, characterized in that the plasticizer is one or more lipophilic oils selected from the group consisting of fatty acid esters having 6-18 carbon atoms, dibasic acid esters having 6-10 carbon atoms, higher alcohols having 10-18 carbon atoms and fats or oils that are liquid at room temperature.

10 6. A tulobuterol adhesive patch according to claim 5, characterized in that the plasticizer is one or more types of plasticizer selected from the group consisting of isopropyl myristate, diethyl sebacate, isopropyl palmitate, medium-chain fatty acid triglycerides and hexyldecanol.

 7. A tulobuterol adhesive patch according to claim 6, characterized in that the plasticizer is isopropyl myristate.

15 8. A tulobuterol adhesive patch according to any one of claims 5 to 7, characterized in that the content of the plasticizer is 10-35 wt% of the total weight of the pressure-sensitive adhesive layer.

20 9. A tulobuterol adhesive patch according to any one of claims 1 to 8, characterized in that at least 1-10 wt% tulobuterol of the total weight of the pressure-sensitive adhesive layer is present in a dissolved state in the pressure-sensitive adhesive layer.

25 10. A tulobuterol adhesive patch according to any one of claims 1 to 9, wherein the pressure-sensitive adhesive layer

is a non-aqueous pressure-sensitive adhesive.